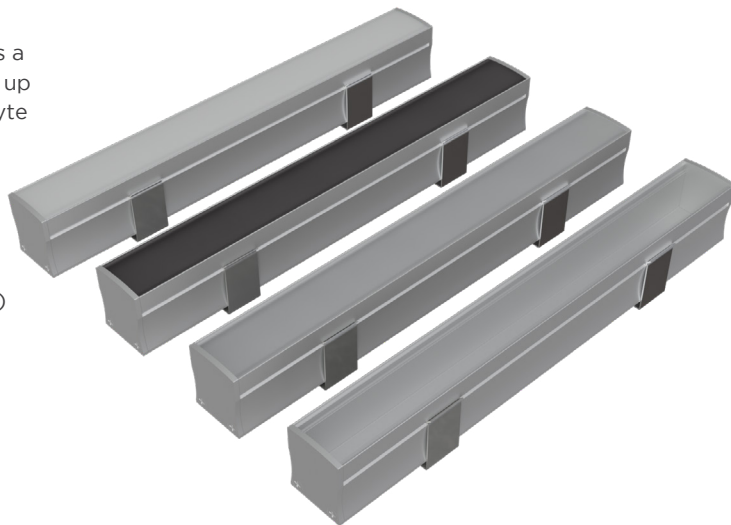


AS18 CHANNEL FIXTURE

AS18 channel is a surface mounted aluminum extrusion. It features a 100° beam angle and holds RibbonLyte with a maximum width of up to 0.73 in. (18.6 mm). Create a custom fixture with AS18, RibbonLyte and your choice of clear, frosted, milky or black lenses.

- Available for field assembly or factory assembly
- 0.92 in. (23.4 mm) wide by 1.1 in. (27.8 mm) deep
- 100° beam angle
- Wattage Range: 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.86 W/m)
- Static White delivered lumen range: 48.51 lm/ft (159.39 lm/m) to 728.64 lm/ft (2390.16 lm/m)
- Clear, Frosted, Milky or Black lens
- Magnetic mounting option available



RoHS

Declare.

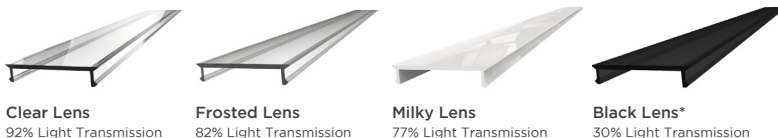


HOUSING FINISHES



*Additional fee applies

AVAILABLE LENS FINISHES



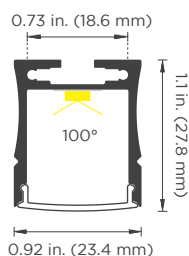
* Our black lens offers great diffusion and helps hide fixtures that aren't in use.

AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

AS18 Channel

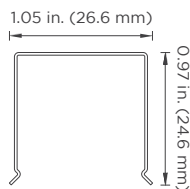


Width: 0.92 in. (23.4 mm)
Height: 1.1 in. (27.8 mm)
Internal Width: 0.73 in. (18.6 mm)

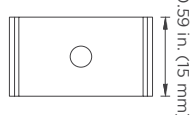
Mounting Clip (included accessory)

Material: stainless steel

Side View



Top View

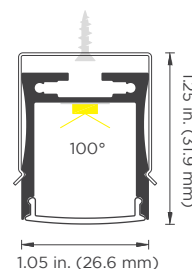


Width: 1.05 in. (26.6 mm)
Height: 0.97 in. (24.6 mm)
Depth: 0.59 in. (15 mm)

Note:

1. **Magnetic mounting** option available (see page 2)
2. **Exterior channel applications** should be securely attached to the mounting surface with appropriate screws and/or liquid nails. Acolyte strongly recommends field assembly for exterior applications. Use mounting clips for interior applications only.

Assembled View



Assembled Width: 1.05 in. (26.6 mm)
Assembled Height: 1.25 in. (31.9 mm)

SPECIFICATIONS

Beam Angle	100°
Lens Type	Clear Lens, Frosted Lens, Milky Lens, Black Lens
Length	Channel is sold by the foot and cut to your exact desired length.
Operating Voltage	24 V
Dimming	MLV / 0-10 Volt / ELV / DALI / DMX
Operating Temperature	-40 — 158 °F (-40 — 70 °C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, RGBA, RGBW, RGBWW, VW, Pixel (RGB), RGBW Addressable, Warm Dim (Note: 1800K, 2000K, 2200K and Pixel are only available in IP20)
CRI	90+ CRI (Static White only)
Lifetime (L70 reported)	50,000 hours
MacAdam ellipse (SDCM)	2-Step Binning (For Static White LEDs only)
Certifications	UL Listed UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaries; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant

ACCESSORIES

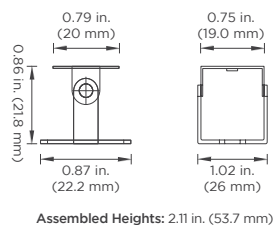
End Cap (included accessory)

Material: Aluminum

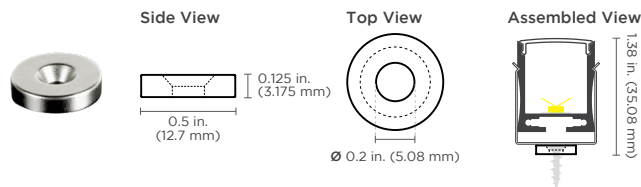


Tilttable Stand (Part #: TILTSTANDST)

Material: stainless steel



Magnetic Mount (Part #: CHMAG0.5)



Features:

- High-energy neodymium magnets come attached to mounting clips with countersink hex nuts
- Create easy-mount magnetic channels with minimal surface gaps; no tools or drilling necessary
- Magnets rated for 8 lbs. of pull force with static load

Applications:

- Industrial lighting retrofits for troffers and other metal fixtures
- Metal retail shelf lighting
- Temporary light fixture installations

ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR
CHAS18		
CHAS18 - AS18 Channel	C - Clear Lens M - Milky Lens F - Frosted Lens BK - Black Lens	SV - Silver WH - White BK - Black Consult factory for custom colors

STEP 2 Complete RibbonLyte Part Number

CATEGORY	CRI	RIBBON TYPE & IP RATING			
RB					
RB - RibbonLyte	0 - Static Color, Color Changing	LINEA20 - Linea RibbonLyte IP20	RGBWW20 - RGBWW 5-in-1 IP20	WD20 - Warm Dim IP20	
	90 - 90+ CRI Static White	SWS220 - Static White Series 2 IP20	RGBWS220 - RGBW Series 2 IP20	WD65 - Warm Dim IP65	
		SWS265 - Static White Series 2 IP65	RGBWS265 - RGBW Series 2 IP65	WD68 - Warm Dim IP68	
		SWS268 - Static White Series 2 IP68	RGBWS268 - RGBW Series 2 IP68	RGBADD - Pixel IP20	
NOTE: To ensure waterproofing standards are met, IP65 and IP68 RibbonLyte can NOT be cut in the field.		SCS220 - Static Color Series 2 IP20	VWS220 - VW Series 2 IP20		
		SCS265 - Static Color Series 2 IP65	VWS265 - VW Series 2 IP65		
		SCS268 - Static Color Series 2 IP68	VWS268 - VW Series 2 IP68		
WATTAGE		COLOR			
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)		18 - 1800K	R - Red	RGB27 - Red, Green, Blue + 2700K	
1.0 - 1.0 W/ft (3.3 W/m - Variable White)		20 - 2000K	A - Amber	RGB30 - Red, Green, Blue + 3000K	
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)		22 - 2200K	G - Green	RGB40 - Red, Green, Blue + 4000K	
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)		24 - 2400K	B - Blue	RGB2465 - Red, Green, Blue + 2400K + 6500K	
2.4 - 2.4 W/ft (8 W/m - Static White)		27 - 2700K		RGBA - Red, Green, Blue + Amber	
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)		30 - 3000K		RBGS - Pixel (SPI)	
4.3 - 4.3 W/ft (14 W/m - Static White)		35 - 3500K		VW - Variable White 2000K-6500K	
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA)		40 - 4000K		VW1833 - Variable White 1800K-3300K (IP20)	
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)		60 - 6000K		2920 - Warm Dim 2900K-2000K (IP20)	
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)				2721 - Warm Dim 2900K-2000K (IP65)	
5.3 - 5.3 W/ft (17.5 W/m - Pixel)				Z - Undecided**	
5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)				** For quotes only. Must be chosen before final order.	

CONNECTION OPTIONS (See diagrams on the right)

- | | |
|-------------------------------------|------------------------------------|
| 1 - End Feed Bare Wire Connection | 4 - Soldered Daisy Chain |
| 2 - Back Feed Bare Wire Connection | 5 - Daisy Chain With IP67 Couplers |
| 3 - End Feed with IP67 Male Coupler | |

Custom Length (ft.)

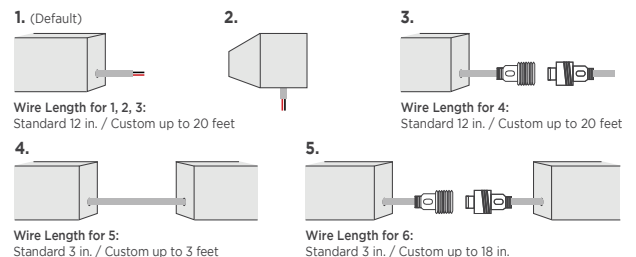
STEP 3 Complete Assembly Option & Length

ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 6 ft 6.7 in. / 2 m)
FI - Field Assembly FA - Factory Assembly*	

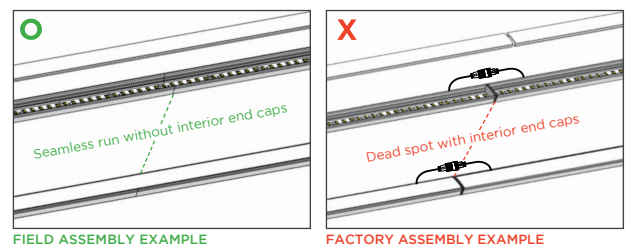
* Factory assembled runs exceeding 6 ft 6.7 in. (2 m) will be split into multiple daisy chained fixtures.

STEP 4 Add Accessories

ACCESSORIES
TILTSTANDST - Tiltable Stand CHMAG0.5 - Magnetic Mount



DO NOT BUTT END CAPS AGAINST EACH OTHER WHEN CREATING LONGER FIXTURES
Acolyte STRONGLY SUGGESTS field assembly (without using interior end caps) for direct-view fixtures of more than 6 ft 6.7 in. (2 m) in length. Field assembly without interior end caps will eliminate gaps or dead spots that can be caused by butting interior end caps against each other.





RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattage	Cuttable Length	LED Pitch	CCTs & Colors	lm/W without Lens	Delivered Lumens with Clear Lens		Delivered Lumens with Frosted Lens		Delivered Lumens with Milky Lens		Delivered Lumens with Black Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	57.96	190.44	51.66	169.74	48.51	159.39	18.9	62.1	IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	99	68.36	224.48	60.93	200.08	57.21	187.88	22.29	73.2				
			2200K	109	75.26	246.56	67.08	219.76	62.99	206.36	24.54	80.4				
			2400K	113	78.02	255.76	69.54	227.96	65.3	214.06	25.44	83.4				
			2700K	123	84.64	278.76	75.44	248.46	70.84	233.31	27.6	90.9				
			3000K	123	84.64	278.76	75.44	248.46	70.84	233.31	27.6	90.9				
			3500K	130	90.16	294.4	80.36	262.4	75.46	246.40	29.4	96				
			4000K	134	92.92	303.6	82.82	270.6	77.77	254.1	30.3	99				
			6000K	131	90.16	296.24	80.36	264.04	75.46	247.94	29.4	96.6				
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	115.92	379.96	103.32	338.66	97.02	318.01	37.8	123.9	IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	98	135.24	443.44	120.54	395.24	113.19	371.14	44.1	144.6				
			2200K	109	150.88	493.12	134.48	439.52	126.28	412.72	49.2	160.8				
			2400K	113	155.48	511.52	138.58	455.92	130.13	428.12	50.7	166.8				
			2700K	123	169.28	556.6	150.88	496.1	141.68	465.85	55.2	181.5				
			3000K	123	169.28	556.6	150.88	496.1	141.68	465.85	55.2	181.5				
			3500K	129	177.56	584.2	158.26	520.7	148.61	488.95	57.9	190.5				
			4000K	134	184.92	606.28	164.82	540.38	154.77	507.43	60.3	197.7				
			6000K	131	181.24	593.4	161.54	528.9	151.69	496.65	59.1	193.5				
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	83	168.36	551.08	150.06	491.18	140.91	461.23	54.9	179.7	IP20: 42 ft (12.8 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	96	194.12	637.56	173.02	568.26	162.47	533.61	63.3	207.9				
			2200K	106	214.36	703.8	191.06	627.3	179.41	589.05	69.9	229.5				
			2400K	111	224.48	736.92	200.08	656.82	187.88	616.77	73.2	240.3				
			2700K	120	242.88	796.72	216.48	710.12	203.28	666.82	79.2	259.8				
			3000K	122	246.56	809.6	219.76	721.6	206.36	677.6	80.4	264				
			3500K	127	256.68	842.72	228.78	751.12	214.83	705.32	83.7	274.8				
			4000K	133	269.56	883.2	240.26	787.2	225.61	739.2	87.9	288				
			6000K	128	258.52	859.28	230.42	765.88	216.37	719.18	84.3	280.2				
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	230.92	757.16	205.82	674.86	193.27	633.71	75.3	246.9	IP20: 36 ft (11 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	98	271.4	890.56	241.9	793.76	227.15	745.36	88.5	290.4				
			2200K	108	298.08	977.96	265.68	871.66	249.48	818.51	97.2	318.9				
			2400K	112	309.12	1013.84	275.52	903.64	258.72	848.54	100.8	330.6				
			2700K	127	350.52	1150	312.42	1025	293.37	962.5	114.3	375				
			3000K	133	367.08	1204.28	327.18	1073.38	307.23	1007.93	119.7	392.7				
			3500K	137	378.12	1240.16	337.02	1105.36	316.47	1037.96	123.3	404.4				
			4000K	134	369.84	1213.48	329.64	1081.58	309.54	1015.63	120.6	395.7				
			6000K	132	364.32	1195.08	324.72	1065.18	304.92	1000.23	118.8	389.7				
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	81	326.6	1070.88	291.1	954.48	273.35	896.28	106.5	349.2	28 ft 4 in. (8.64 m)	✓	✓	✓
			2000K	95	385.48	1265.92	343.58	1128.32	322.63	1059.52	125.7	412.8				
			2200K	105	425.96	1398.4	379.66	1246.4	356.51	1170.4	138.9	456				
			2400K	109	441.6	1447.16	393.6	1289.86	369.6	1211.21	144	471.9				
			2700K	124	502.32	1646.8	447.72	1467.8	420.42	1378.3	163.8	537				
			3000K	131	529.92	1739.72	472.32	1550.62	443.52	1456.07	172.8	567.3				
			3500K	133	538.2	1766.4	479.7	1574.4	450.45	1478.4	175.5	576				
			4000K	133	538.2	1766.4	479.7	1574.4	450.45	1478.4	175.5	576				
			6000K	128	517.96	1699.24	461.66	1514.54	433.51	1422.19	168.9	554.1				
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	83	383.64	1257.64	341.94	1120.94	321.09	1052.59	125.1	410.1	IP20: 33 ft 4 in. (10.1 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	98	448.96	1473.84	400.16	1313.64	375.76	1233.54	146.4	480.6				
			2200K	107	490.36	1609.08	437.06	1434.18	410.41	1346.73	159.9	524.7				
			2400K	110	506	1659.68	451	1479.28	423.5	1389.08	165	541.2				
			2700K	124	570.4	1871.28	508.4	1667.88	477.4	1566.18	186	610.2				
			3000K	134	616.4	2022.16	549.4	1802.36	515.9	1692.46	201	659.4				
			3500K	135	621	2036.88	553.5	1815.48	519.75	1704.78	202.5	664.2				
			4000K	134	616.4	2022.16	549.4	1802.36	515.9	1692.46	201	659.4				
			6000K	130	598	1961.44	533	1748.24	500.5	1641.64	195	639.6				
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	82	450.8	1478.44	401.8	1317.74	377.3	1237.39	147	482.1	28 ft (8.5 m)	✓	✓	✓
			2000K	95	524.4	1720.4	467.4	1533.4	438.9	1439.9	171	561				
			2200K	106	583.28	1913.6	519.88	1705.6	488.18	1601.6	190.2	624				
			2400K	110	607.2	1991.8	541.2	1775.3	508.2	1667.05	198	649.5				
			2700K	122	673.44	2208.92	600.24	1968.82	563.64	1848.77	219.6	720.3				
			3000K	132	728.64	2390.16	649.44	2130.36	609.84	2000.46	237.6	779.4				
			3500K	132	728.64	2390.16	649.44	2130.36	609.84	2000.46	237.6	779.4				
			4000K	130	717.6	2353.36	639.6	2097.56	600.6	1969.66	234	767.4				
			6000K	128	706.56	2317.48	629.76	2065.58	591.36	1939.63	230.4	755.7				



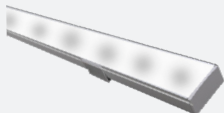
RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattage	Cuttable Length	LED Pitch	CCTs & Colors	lm/W without Lens	Delivered Lumens with Clear Lens		Delivered Lumens with Frosted Lens		Delivered Lumens with Milky Lens		Delivered Lumens with Black Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	41	28.52	93.84	25.42	83.64	23.87	78.54	9.3	30.6	IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			Green	175	120.52	395.6	107.42	352.6	100.87	331.1	39.3	129				
			Blue	19	12.88	42.32	11.48	37.72	10.78	35.42	4.2	13.8				
			Amber	34	23.92	78.2	21.32	69.7	20.02	65.45	7.8	25.5				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	57.96	190.07	51.66	169.41	48.51	159.08	18.9	61.98	IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			Green	160	220.8	724.22	196.8	645.5	184.8	606.14	72	236.16				
			Blue	18	24.84	81.51	22.14	72.65	20.79	68.22	8.1	26.58				
			Amber	34	46.92	153.92	41.82	137.19	39.27	128.82	15.3	50.19				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	84.64	277.66	75.44	247.48	70.84	232.39	27.6	90.54	IP20: 42 ft (12.8 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			Green	145	293.48	962.6	261.58	857.97	245.63	805.65	95.7	313.89				
			Blue	18	36.8	120.7	32.8	107.58	30.8	101.02	12	39.36				
			Amber	33	67.16	220.25	59.86	196.31	56.21	184.34	21.9	71.82				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	112.24	368.92	100.04	328.82	93.94	308.77	36.6	120.3	32.8 ft (10 m)	✓	✓	✓
			Green	127	368	1208.88	328	1077.48	308	1011.78	120	394.2				
			Blue	25	69.92	230	62.32	205	58.52	192.5	22.8	75				
			Amber	29	80.04	261.28	71.34	232.88	66.99	218.68	26.1	85.2				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	159.16	521.64	141.86	464.94	133.21	436.59	51.9	170.1	29 ft (8.8 m)	✓	✓	✓
			Green	117	492.2	1613.68	438.7	1438.28	411.95	1350.58	160.5	526.2				
			Blue	24	103.04	339.48	91.84	302.58	86.24	284.13	33.6	110.7				
			Amber	25	101.2	332.12	90.2	296.02	84.7	277.97	33	108.3				
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	172.04	563.04	153.34	501.84	143.99	471.24	56.1	183.6	30 ft (9.14 m)	✓	✓	✓
			Green	116	547.4	1795.84	487.9	1600.64	458.15	1503.04	178.5	585.6				
			Blue	24	114.08	375.36	101.68	334.56	95.48	314.16	37.2	122.4				
			Amber	26	116.84	381.8	104.14	340.3	97.79	319.55	38.1	124.5				
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	198.72	651.36	177.12	580.56	166.32	545.16	64.8	212.4	28 ft (8.5 m)	✓	✓	✓
			Green	113	598.92	1966.04	533.82	1752.34	501.27	1645.49	195.3	641.1				
			Blue	23	130.64	427.8	116.44	381.3	109.34	358.05	42.6	139.5				
			Amber	24	137.08	448.96	122.18	400.16	114.73	375.76	44.7	146.4				
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	67	148.12	485.76	132.02	432.96	123.97	406.56	48.3	158.4	21.3 ft (6.5 m)	✓	N/A	N/A
			3000K	71	156.4	514.28	139.4	458.38	130.9	430.43	51	167.7				
			3500K	83	183.08	601.68	163.18	536.28	153.23	503.58	59.7	196.2				
			4000K	83	183.08	601.68	163.18	536.28	153.23	503.58	59.7	196.2				
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	66	182.16	598	162.36	533	152.46	500.5	59.4	195	21.3 ft (6.5 m)	✓	N/A	N/A
			3000K	73	201.48	661.48	179.58	589.58	168.63	553.63	65.7	215.7				
			3500K	78	215.28	706.56	191.88	629.76	180.18	591.36	70.2	230.4				
			4000K	83	229.08	751.64	204.18	669.94	191.73	629.09	74.7	245.1				
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	75	297.16	973.36	264.86	867.56	248.71	814.66	96.9	317.4	24.6 ft (7.5 m)	✓	N/A	N/A
			3000K	78	308.2	1012	274.7	902	257.95	847	100.5	330				
			3500K	86	340.4	1116.88	303.4	995.48	284.9	934.78	111	364.2				
			4000K	86	340.4	1116.88	303.4	995.48	284.9	934.78	111	364.2				
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	95	403.9	1324.79	360	1180.79	338.05	1108.79	131.71	432	16.4 ft (5 m)	✓	N/A	N/A
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	77	70.47	231.15	62.81	206.03	58.98	193.46	22.98	75.38	32.8 ft (10 m)	✓	✓	✓
3.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	73	201.02	659.53	179.17	587.84	168.25	552	65.55	215.06	32.8 ft (10 m)	✓	✓	✓
6.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	73	402.41	1319.9	358.67	1176.43	336.8	1104.7	131.22	430.4	19 ft 8 in. (6 m)	✓	✓	✓

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattage	Cuttable Length	LED Pitch	CCTs & Colors	lm/W without Lens	Delivered Lumens with Clear Lens		Delivered Lumens with Frosted Lens		Delivered Lumens with Milky Lens		Delivered Lumens with Black Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68
4.4 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (All on)	66	268.76	881.53	239.55	785.72	224.94	737.81	87.64	287.46	19 ft 8 in. (6 m)	✓	N/A	N/A
4.4 RGBA Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBA (All on)	48	192.37	631.29	171.46	562.67	161.01	528.36	62.73	205.854	19 ft 8 in. (6 m)	✓	N/A	N/A
5.5 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (All on)	78	395.08	1295.88	352.14	1155.02	330.67	1084.59	128.83	422.57	19 ft 7.9 in. (6 m)	N/A	✓	✓
5.5 RGBA Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBA (All on)	51	258.22	846.95	230.15	754.89	216.12	708.86	84.201	276.18	19 ft 7.9 in. (6 m)	N/A	✓	✓
8.8 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (All on)	76	611.63	2006.13	545.14	1788.08	511.9	1679.05	199.44	654.17	16 ft 4 in. (5 m)	✓	N/A	N/A
8.8 RGBA Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBA (All on)	39	316.33	1037.58	281.95	924.8	264.76	868.41	103.152	338.34	16 ft 4 in. (5 m)	✓	N/A	N/A
4.4 5-in-1 RGBWW	2.46 in. (62.5 mm)	29 LED/ft (96 LED/m)	RGBWW (All on)	58	234.71	769.86	209.2	686.18	196.44	644.34	76.536	251.04	16 ft 4 in. (5 m)	✓	N/A	N/A
8.8 5-in-1 RGBWW	2.46 in. (62.5 mm)	29 LED/ft (96 LED/m)	RGBWW (All on)	53	427.46	1402.07	381	1249.67	357.77	1173.47	139.389	457.197	11 ft 6 in. (3.5 m)	✓	N/A	N/A
5.3 Pixel	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGB (All on)	26	126.04	414	112.34	369	105.49	346.5	41.1	135	24 ft 7.2 in. (7.5 m)	✓	N/A	N/A
6.0 RGBW Addressable	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGBW (All on)	39	215.42	706.57	192	629.77	180.3	591.37	70.25	230.4	16 ft 5.83 in. (5.025 m)	N/A	N/A	✓ IP67
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	55	264.96	869.4	236.16	774.9	221.76	727.65	86.4	283.5	16 ft 4 in. (5 m)	✓	✓	✓

DIODE VISIBILITY CHART (Data below applies to installations with Milky lens only)

 No Visible Diode = N Note: Linea RibbonLyte has no visible diode						 With Visible Diode = Y					
Static White & Static Color RibbonLyte			Color Changing RibbonLyte								
0.75/1.5/2.2	3.0/4.4	5.0/6.0	5.3 Pixel (RGB)	6.0 RGBW Addressable	4.4 RGBW Series 2	5.5 RGBW Series 2	8.8 RGBW Series 2	4.4 5-in-1 RGBWW	8.8 5-in-1 RGBWW	Warm Dim	Variable White
IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20	IP67	IP20	IP65 IP68	IP20	IP20	IP20	IP20 IP65 IP68	IP20 IP65 IP68
N	N	N	N	N	N	N	N	N	N	N	N

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

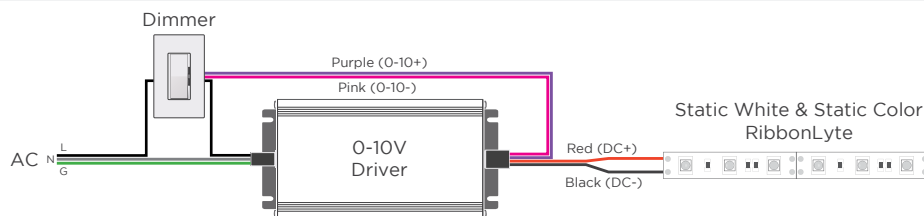
NON-DIMMING ELECTRONIC DRIVERS		ELV & MLV DRIVERS		DIMMABLE DALI DRIVERS	
					
30W, 60W, 96W Non-Dimming Electronic Class 2 Drivers Part No.: • DRVW2430 (30 Watt) • DRVW2460 (60 Watt) • DRVW2496 (96 Watt) Output Voltage: 24 VDC Input Voltage: 120-277 VAC IP65, dry/damp location UL Listed	240W, 320W Non-Dimming Electronic Drivers Part No.: • DRVW24240 (240 Watt) • DRVW24320 (320 Watt) Output Voltage: 24 VDC Input Voltage: 90-305 VAC IP65, dry/damp location UL Recognized	60W, 96W Non-Dimming Compact Drivers Part No.: • DRV2460C (60 Watt) • DRV2496C (96 Watt) Output Voltage: 24 VDC Input Voltage: 120-277 VAC IP20, dry location UL Class P	60W, 96W, 150W, 300W ELV/MLV Dimmable Drivers Part No.: • DRVW2460ELVMLV (60 Watt) • DRVW2496ELVMLV (96 Watt) • DRVW24150ELVMLV (150 Watt) • DRVW24300ELVMLV (300 Watt) Line Voltage Dimmable Drivers Output Voltage: 24 VDC Input Voltage: 100-277 VAC IP67, damp/wet location UL, CE, and CSA Listed	100W 1 Channel, 100W 2 Channel, 150W 4 Channel Dimmable DALI Drivers Part No.: • DRV100DALI1CH (100W 1 channel) • DRV100DALI2CH (100W 2 channel) • DRV150DALI4CH (150W 4 channel) Output Voltage: 24 VDC Input Voltage: 120-277 VAC IP20, dry location CE, UL Recognized, FCC, RoHS, SELV	
0-10V DRIVERS		ATHENA WIRELESS COMPATIBLE		DIMMABLE DALI-2 DRIVERS	
					
0-10V Dimmable Waterproof Drivers • Part No.: DRVW249610P (96 Watt) • Part No.: DRVW2428810P (288 Watt) Output Voltage: 24 VDC (+/- 0.5 V) Input Voltage: 100-277 VAC UL wet location UL Listed	0-10V Dimmable 90W VW/WD Driver • Part No.: DRVRFWDVW2490120 Output Voltage: 24 VDC Input Voltage: 100-277 VAC IP23, dry/damp location UL Listed	94W Athena Wireless Compatible Drivers • Part No.: DRVW2494ATH1CH (1 channel) • Part No.: DRVW2494ATH2CH (2 channel) Output Voltage: 24 VDC Input Voltage: 100-277 VAC Dry location UL Listed		96W DIMMABLE DALI-2 DT6 D4I & DALI-2 DT8 D4I DRIVERS • Part No.: DRVW2496DALI1CH (1 channel) • Part No.: DRVW2496DALI2CH (2 channel) Output Voltage: 24-26 VDC Input Voltage: 120-277 VAC IP67, wet location UL Listed	
DMX CONTROLLERS, VARIABLE WHITE DIMMER, WARM DIM DIMMER - FOR COLOR CHANGING FIXTURES					
					
GLASS TOUCH WALL CONTROLLERS Part No.: AWCRGBWWBK AWCVWBK	1 ZONE WALL CONTROLLER Part No.: DMXCTRLG	5 ZONE WALL CONTROLLER Part No.: DMXCTRL	10 ZONE WALL CONTROLLER Part No.: DMXCTRLD	6 UNIVERSE DMX CONTROLLER Part No.: DMXCTRLDR6U	
					
VARIABLE WHITE DIMMER Part No.: RFDIMVWWH (White) RFDIMVWBK (Black)	WARM DIM DIMMER Part No.: RFDIMWDWH (White) RFDIMWDBK (Black)	4 CHANNEL WATERPROOF DMX INTERFACE Part No.: DMXINFWLCD4	5 CHANNEL DMX INTERFACE Part No.: DMXINFOLED5	DMX OPTO SPLITTER Part No.: DMXOS8	

DRIVER AND RIBBONLYTE AT FULL LOAD

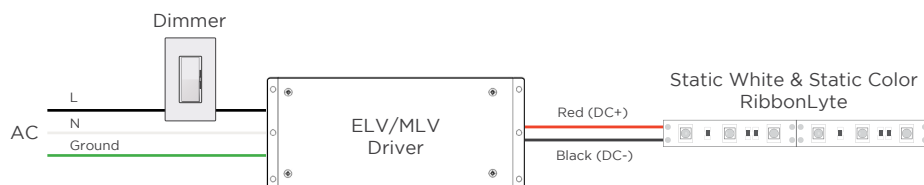
Wattages	30		60		96		150		200		240		300		320	
	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm ²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm ²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG / 0.5 mm ²	35	10.67	23	7.01	14	4.27	9	2.74	7	2.13	5.75	1.75	4.5	1.37	4.25	1.30
18 AWG / 0.75 mm ²	56	17.07	37	11.28	23	7.01	15	4.57	11	3.35	9	2.74	7.5	2.29	7	2.13
16 AWG / 1.5 mm ²	90	27.44	60	18.29	37	11.28	24	7.32	18	5.49	15	4.57	12	3.66	11	3.35
14 AWG / 2.5 mm ²	142	43.29	95	28.96	59	17.99	38	11.59	28	8.54	23	7.01	19	5.79	17	5.18
12 AWG / 4 mm ²	226	68.90	151	46.04	94	28.66	60	18.29	45	13.72	37	11.28	30	9.15	28	8.54
10 AWG / 6 mm ²	360	109.76	240	73.17	150	45.73	96	29.27	72	21.95	60	18.29	48	14.63	45	13.72
8 AWG / 10 mm ²	574	175.00	381	116.16	239	72.87	153	46.65	115	35.06	95	28.96	76	23.17	71	21.65

WIRING DIAGRAMS - STATIC WHITE / STATIC COLOR / RGBW / RGBA / RGBWW

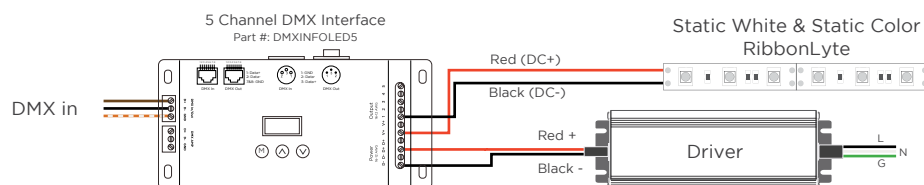
0-10 V



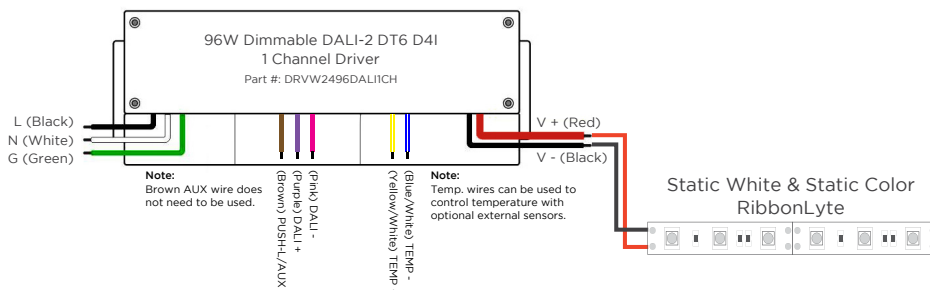
MLV / ELV



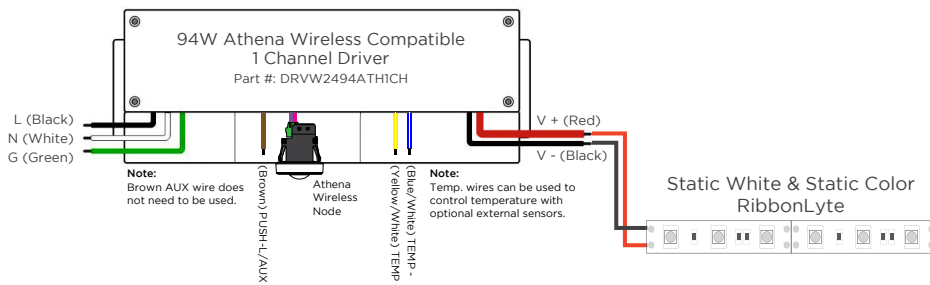
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



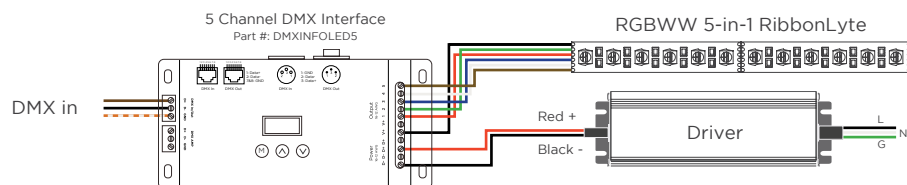
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



STATIC WHITE & STATIC COLOR RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE + STATIC COLOR

Red Wire (+) Positive
Black Wire (-) Negative

RGBW + RGBA

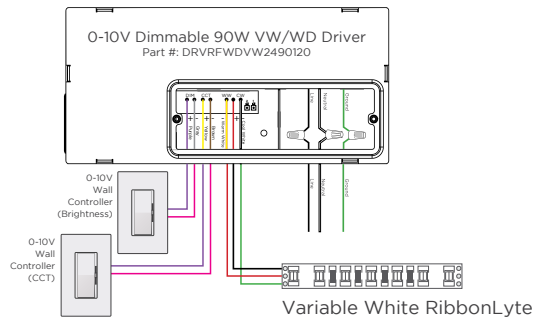
Black Wire (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel

RGBWW

Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

2-CHANNEL VARIABLE WHITE DIMMING

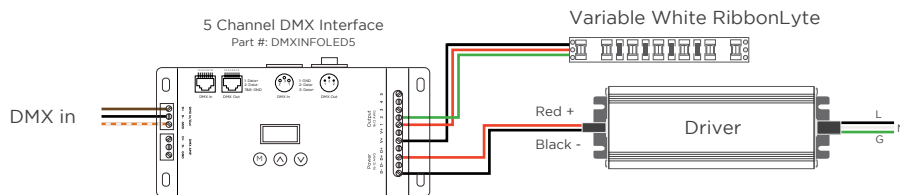


WIRE COLORS PER RIBBONLYTE COLOR

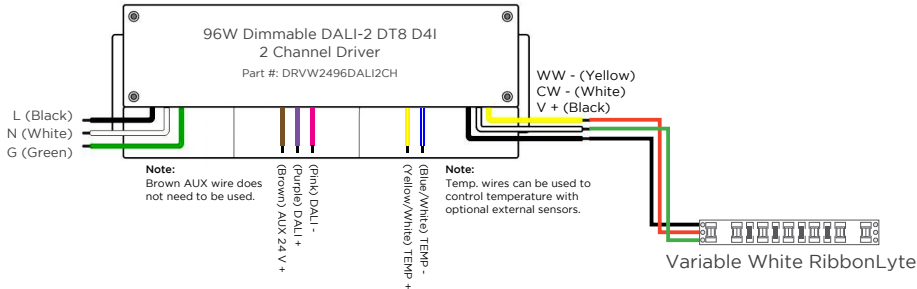
VARIABLE WHITE

Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
Green Wire (-) goes to Cool White Channel

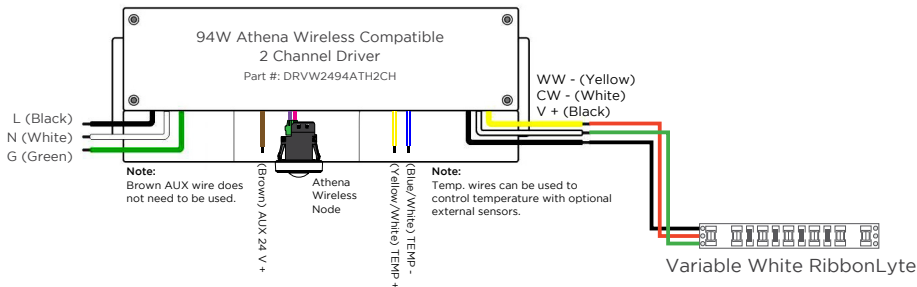
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER

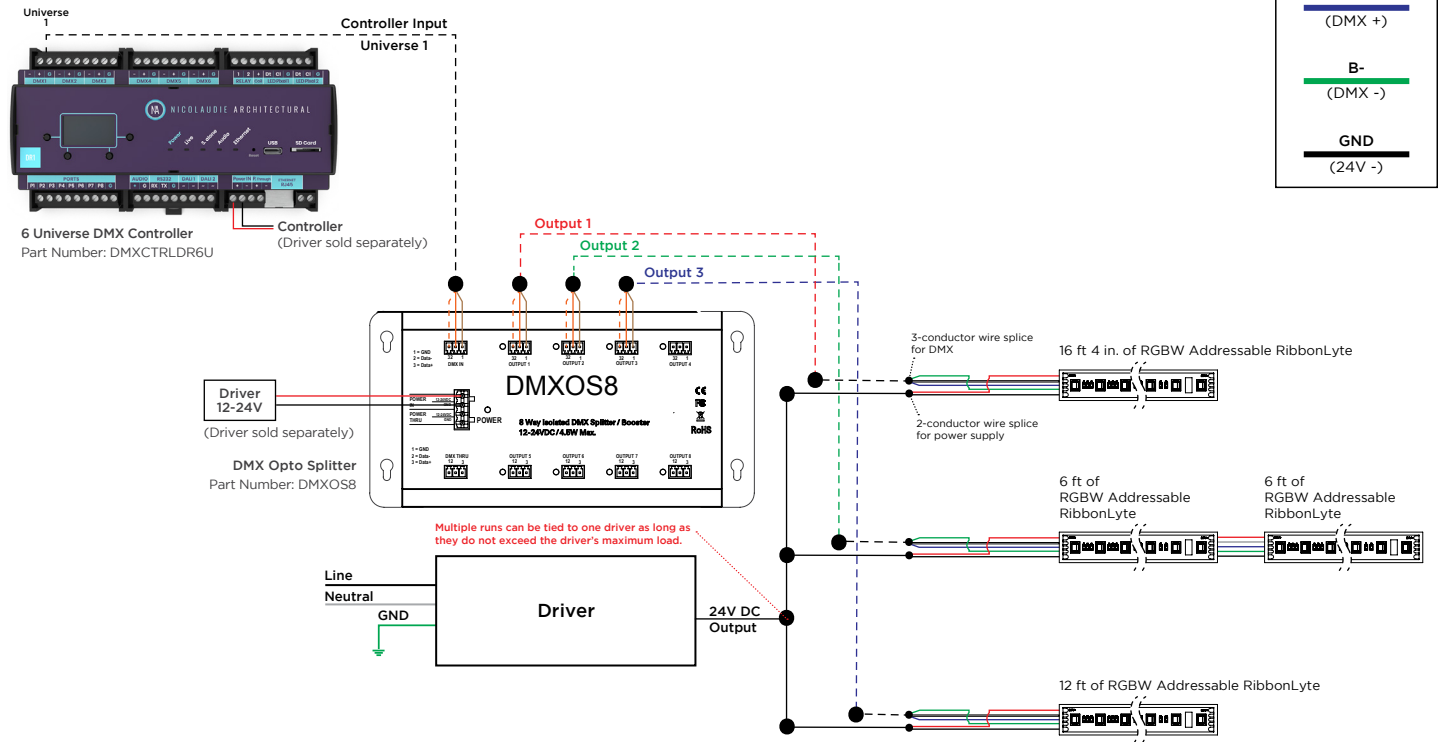


WIRING DIAGRAMS WITH RGBW ADDRESSABLE RIBBONLYTE

One DMX Universe consists of 128 addresses and 512 channels (42 ft, 8 in. of RibbonLyte).

Any single run of RibbonLyte that is less than 16 ft, 4 in. can be wired directly to the controller.

For additional runs, Opto Splitter must be used. Each individual run will need its own Opto Splitter output.



REV.19FEB2025

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